

San Bernardino Clean Communities Pilot Project

*Working Together to
Build Cleaner Communities*

April 25, 2012



San Bernardino Work Plan Structure



Update on Technology, Funding, Projects, and Showcase



Technology,
Funding,
Projects,
and
Showcase

- Air filtration systems
 - Ruben Campos Community Center
 - ❖ Installation completed in April
 - San Bernardino City USD Projects
 - ❖ Negotiating with school district

Update on Technology, Funding, Projects, and Showcase



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- **UPS Truck Replacement Project**
 - Ahead of schedule on electrical infrastructure upgrades
 - Truck delivery to begin in June
 - All 40 trucks scheduled to be delivered by September 2012



Update on Technology, Funding, Projects, and Showcase



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- In December 2011 AQMD approved 3 new VOC programs for San Bernardino
 - Green Cleaner Program
 - Super-Compliant Paint Program
 - Vehicle Repair Shop Brake Cleaning Program
- Working with Small Business and Autobody Association representatives on outreach materials
- Still seeking outreach paths/opportunities

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- Outreach materials prepared for
 - Green Cleaner Program
 - Vehicle Repair Shop Brake Cleaning Program
 - Targeted Spray Coating Project
 - Materials available
 - ❖ Working on additional outreach materials
- Super-Compliant Paint Program
 - Available to non-profit entities and schools

Update on Technology, Funding, Projects, and Showcase



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- Lawn Mower Exchange Program
 - Additional lawn mower exchange in San Bernardino
 - ❖ May 5, 2012
 - ❖ 66ers Baseball Park
 - ❖ Six models available
 - ❖ Flyers mailed to residents and available at today's meeting
 - ❖ <http://www.aqmd.gov/tao/lawnmower-special-event.html>

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- Gas Log Fireplace Incentive Program
 - Still available in San Bernardino
 - 19 units have been installed under program
 - Information included in yard equipment exchange flyer
 - Program may be extended through winter 2012 or money may be transferred to another program

Update on Technology, Funding, Projects, and Showcase



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- Boiler Retrofit
 - Unable to find suitable candidate in San Bernardino
 - Other funding options:
 - ❖ Diesel particulate filters for emergency I.C. engines at non-profits
 - ❖ Clean fuel commercial lawnmowers
 - ❖ Low-emitting heaters for autobody shops
 - ❖ Weatherization projects for homes along the 215 freeway

Study Issues

- Goal is to address air quality-related issues identified by Working Group
- Address highest priority issues first

Topic	Survey Respondent					Average Ranking	Overall Priority Ranking (1-High, 8-Low)
	#1	#2	#3	#4	#5		
BNSF Rail Yard - Exposure to DPM emissions from trucks, trains, and rail yard equipment	2	1	2	1	1	1.4	1
Omnitrans - Risk of upset at CNG fueling facility expansion (SBX Project)	5	4	5	2	2	3.6	2
Concrete Ready Mix Operation - Dust impacts at Arroyo Valley High School	7	1	4	3	4	3.8	3
Warehouses and Distribution Centers - Exposure to emissions from trucks associated with warehouses in close proximity to residences	2	4	3	6	5	4.0	4
Unpermitted Facilities - Auto Body Shop Case Study - Bringing unpermitted facilities into regulatory compliance	2	6	6	4	3	4.2	5
Freeway Expansion & Construction - Impacts to nearby residents during construction and operation	1	3	8	8	7	5.4	6
Lack of Green Space, Bike Paths, Centralized Shopping - Higher VMT & emissions from lack of green spaces, bike paths, and shopping	8	7	1	5	8	5.8	7
Rendering Plant - Odors from Co-West Commodities (1389 W. Mill Street near railyard)	5	8	7	7	6	6.6	8

Update on BNSF Rail Yard

- Two Meetings between AQMD and BNSF
 - April 1, 2012
 - April 30, 2012
- BNSF provided list of current projects (handout)



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List of Actions Taken to Reduce Emissions by more than 50% at the San Bernardino Rail Yard

- Analyzed relocating the inbound truck gate and determined that there was no net benefit to relocating the gate from its current location
- Installed an Automatic Gate System (AGS) to automate inbound traffic routing within the yard, resulting in a two-thirds reduction in idling and approximately 50% reduction in total time in the facility
- Fulfilled the requirements of the 1998 Memorandum of Understanding between the South Coast Air Quality Management District, the Air Resources Board, and BNSF to reduce NOx emissions in the South Coast Air Basin from our fleet by two-thirds (5.5 grams/brake horse/hour); co-benefit reduced Diesel Particulate Matter by approximately 50%
- Agreed to study our emissions and fully cooperate with the Air Resources Board in the development of their Health Risk Assessments; no other private industry has produced a similar work product
- Installed Idle Reduction Devices on 100% of intra-state locomotives and >90% of inter-state locomotives as a result of 2005 MOU
- Implemented the use of ultra-low sulfur diesel fuel five years before required as a result of 2005 MOU
- Relocated the employee parking and replaced it with a trailer staging area to reduce hostler truck trips within the yard
- Replaced six Switch Locomotives with Ultra-Low Emitting Gen-Sets in San Bernardino, five at Hobart and two at Watson
- Made \$250,000 donation to establish a greenbelt buffer zone in San Bernardino
- Working on a new Agreement with the Air Resources Board to further reduce our emissions at the San Bernardino Rail Yard by 2020 a total of 85% from 2005, the baseline year

Update on Omnitrans

- One meeting with Omnitrans
 - March 14, 2012
 - Discussed existing safety programs
 - Potential monitoring efforts
 - Next Working Group meeting at Omnitrans

Next Steps

- Next meeting – June 13, 2012
 - Omnitrans
 - 1700 West 5th Street
 - San Bernardino, CA 92411
 - ❖ Location details to be sent to Working Group